



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX EPS 20.0045X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-15

Applicant: **BECKHOFF Automation GmbH & Co. KG**  
Huelshorstweg 20  
33415 Verl  
Germany

Equipment: **Power supply (built-in): PS2001-2405-0000**

Optional accessory: N/A

Type of Protection: **ec nC**

Marking: Ex ec nC IIC T4 Gc

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:

**Holger Schaffer**

**Certification Manager**

2020-06-15



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **BECKHOFF Automation GmbH & Co. KG**  
Huelshorstweg 20  
33415 Verl  
Germany

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-15:2017** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:5.0

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/EPS/ExTR20.0045/00

Quality Assessment Report:

DE/BVS/QAR16.0010/03



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### **PS2001-2405-0000**

#### **Input:**

AC 100-240 V<sup>(-15%/+10%)</sup> | 1.6-0.7 A | 50-60 Hz

DC 110-150 V<sup>(+/- 20 %)</sup> | 1.4 A

#### **Output:**

DC 24-28 V | 6.0-5.1 A (below +45 °C)

DC 24-28 V | 5.0-4.3 A (at +60 °C)

DC 24-28 V | 3.8-3.2 A (at +70 °C)

Derate linearly between +45 °C and +70 °C

Ambient temperature range: -25 °C to +70 °C

#### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
- Use only in standard vertical mounting orientation with the input terminals on bottom of the unit.
- Ambient temperature range is  $-25\text{ °C} < T_{\text{amb}} < +70\text{ °C}$ ; de-rating conditions above +45 °C must be considered.